



# City of Wilmington Pedestrian Safety Study

Wilmington Pedestrian Audit

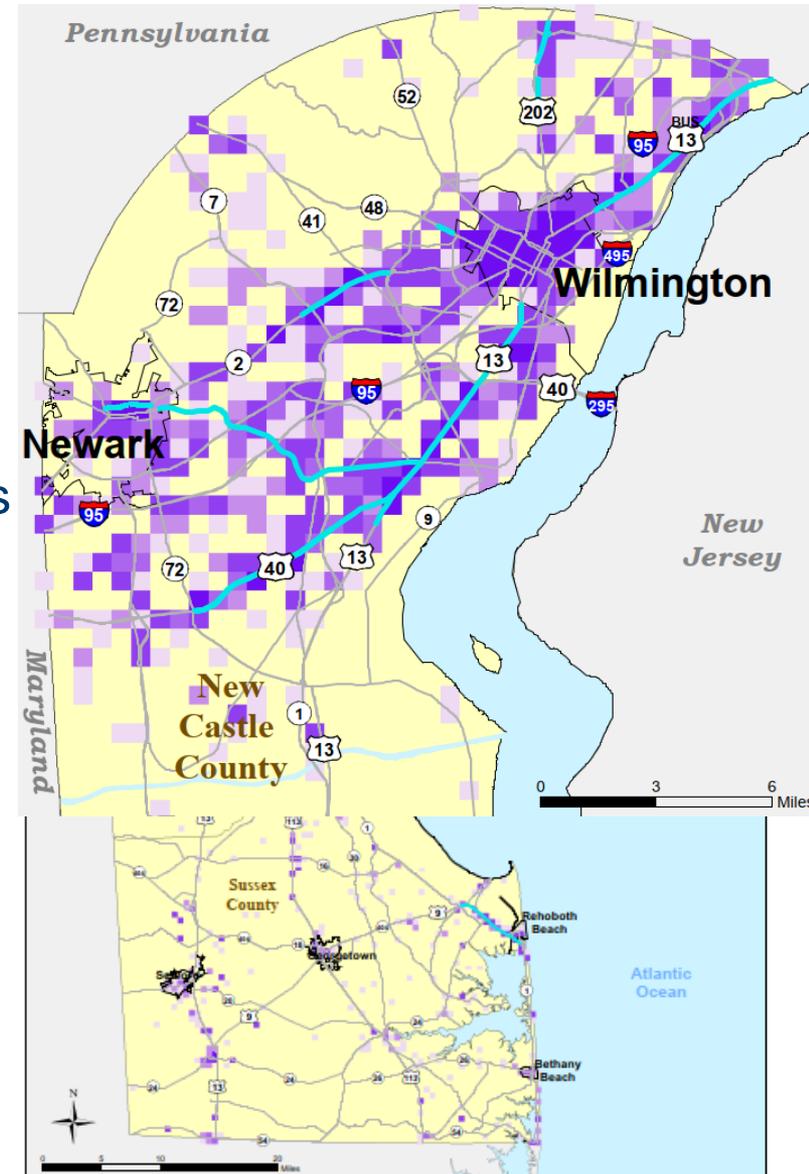
*Fourth Street Corridor: Ogle Avenue to Christina River*

*July 14, 2023*



# Purpose of Study

- Why are we here?
  - Improve pedestrian safety within City
  - Improve walking as a mode of transportation
    - Access to jobs
    - Access to recreation
    - Access to economic improvements
  - Major corridors surrounding Wilmington have been studied
    - US 13
    - SR 141
    - US 202
    - Philadelphia Pike
  - Site selection conducted in 2019 pinpoints Wilmington as next logical study location



- Review city-wide pedestrian crash history
- Identify critical corridors and intersections
- Convene stakeholder group
- **Pedestrian safety audits of selected critical corridors and intersections**
- Systemic pedestrian treatments at other locations

## Stakeholder Group

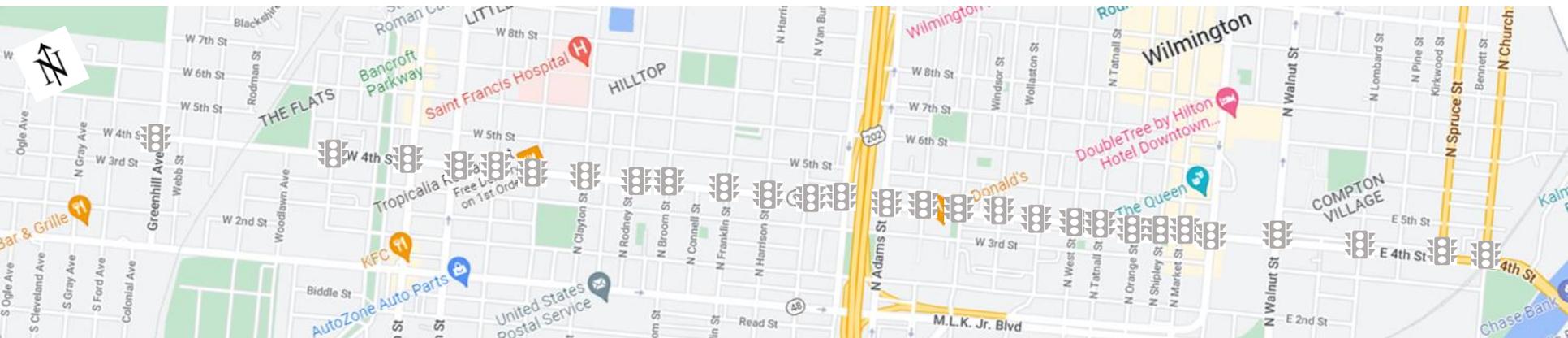
- Peter Haag, DelDOT
- Sonya LaGrand, DelDOT
- Diane Gunn, Century, DelDOT Wilmington Projects Manager
- Paul Moser, DelDOT
- Meaghan Barna, DelDOT
- Aimee String, DelDOT
- Catherine Smith, DTC
- John Calnan, DTC
- Capt. Rodney Layfield, State Police
- Lt. Lance Skinner, State Police
- Richard Klepner, Office of Highway Safety
- Jackie McDermott, Office of Highway Safety
- Stephen Weber, City of Wilmington
- Tom Ogden, City of Wilmington
- Jeff Starkey, City of Wilmington
- Kelly Williams, City of Wilmington
- Sgt. Pete Leccia, Wilmington Police
- Dave Gula, WILMAPCO
- Federal Highway Administration

# 4<sup>TH</sup> STREET

## OGLE AVENUE TO CHURCH STREET

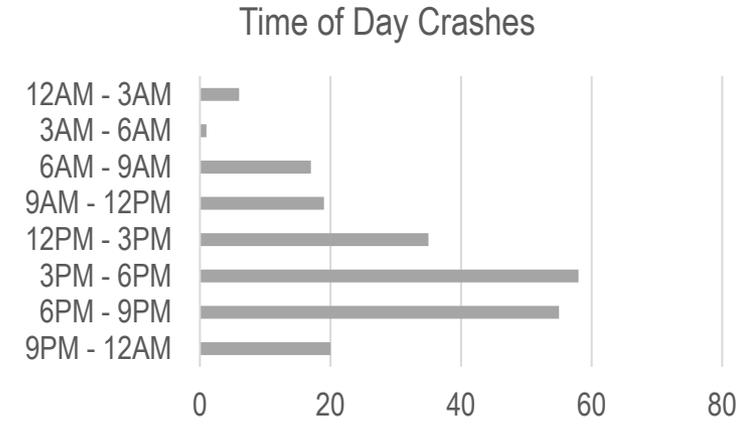
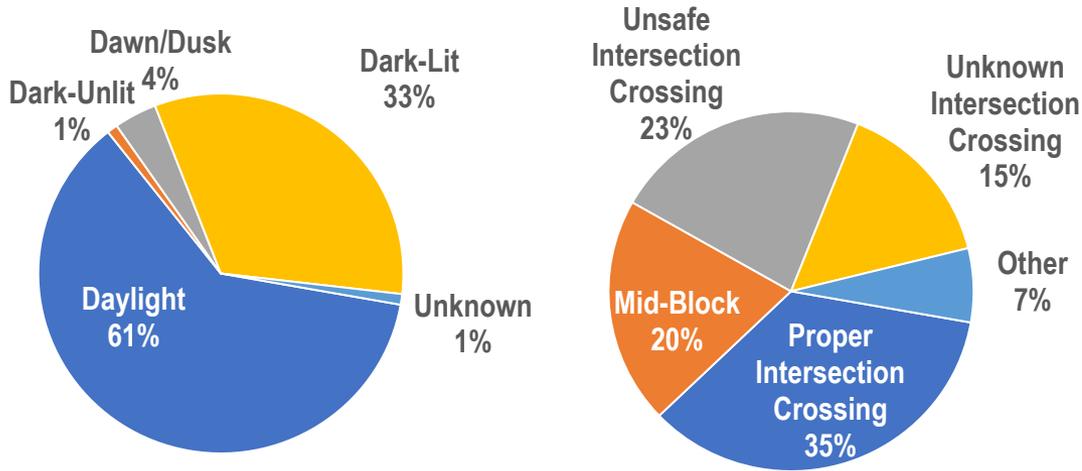
# 4<sup>th</sup> Street Corridor

- 2.49-mile Urban Principal Arterial
- 2019 AADT 5,400 – 14,000
  - Data available east of Union Street only
- Two-way roadway
- Varies from one – two through lanes (11 ft lane width)
- Curb-to-curb crossing distances vary from 38 ft – 60 ft throughout corridor
- Turn lanes at major intersections, bumpouts provided at some intersections
- Sidewalks and lighting present
- 25-MPH speed limit
- 28 signalized intersections and 15 unsignalized intersections
- Numerous unsignalized mid-block parking lots and driveways

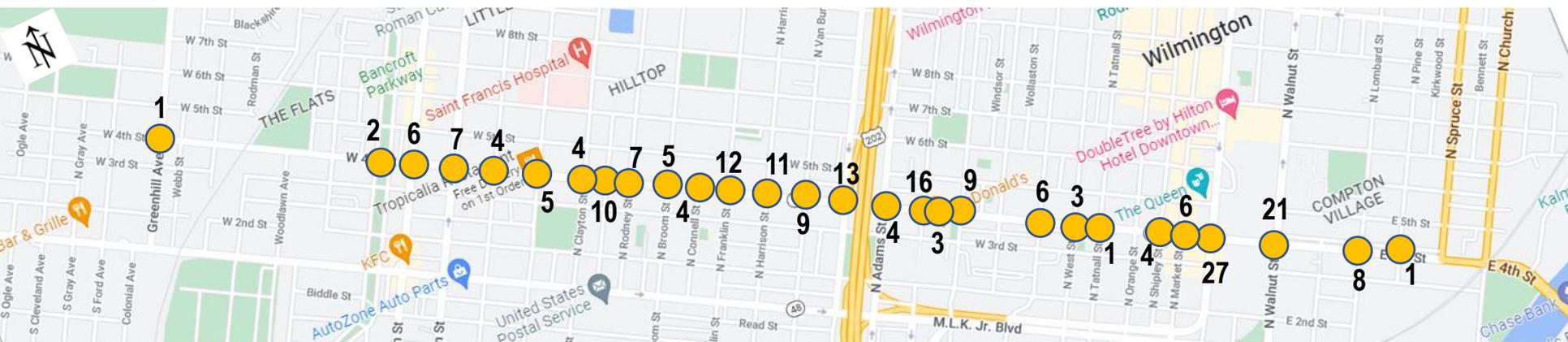


Fourth Street: Ogle Avenue to Christina River

## 211 Crashes (2007 – 2020)



# of crashes per intersection



Fourth Street: Ogle Avenue to Christina River

## **4<sup>th</sup> Street, Walnut Street to Adams Street** *(DeIDOT Project Development)*

- Currently in design and planning
- Objectives
  - Improvements to the operation and safety aspects for pedestrians, bicyclists, and transit users
  - Improve multi-modal environment between neighborhoods and employment centers
  - Potential road reconfiguration/road diet
  - Public meeting held May 3, 2022
- Anticipated construction in 2026

## **Wilmington Transit Corridors Improvement** *(DeIDOT Project Development)*

- Currently in construction
- Pedestrian and transit improvements to the 8<sup>th</sup> Street, 9<sup>th</sup> Street, and Orange Street corridors
- 4<sup>th</sup> Street at Orange Street – curb ramp and sidewalk improvements on all four corners
- Construction to be completed by Fall 2023

## **4<sup>th</sup> Street at Church Street HEP 2016 Site N** *(DeIDOT Traffic)*

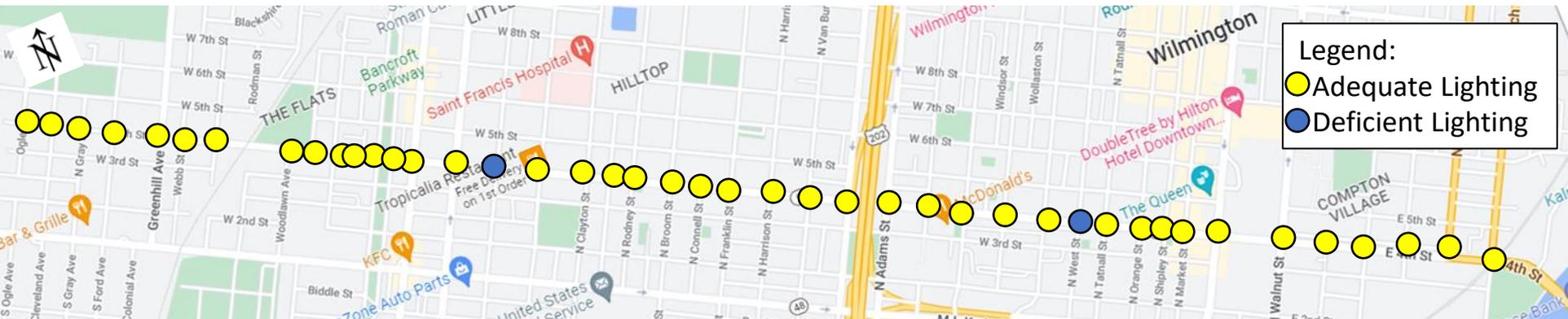
- Recommended signal rebuild with mast arms
- Currently under construction

## **4<sup>th</sup> Street, Adams Street to Greenhill Avenue**

- Road reconfiguration / road diet under consideration
- No current timeline for design or implementation

# Lighting Assessment

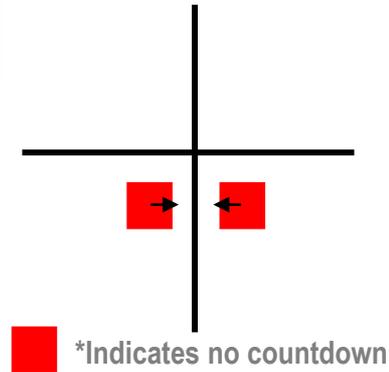
- Qualitative driving assessment
- Streetlamps and LED luminaires are common
- Midblock coverage adequate, except where luminaires are blocked by trees
- Lighting deficient on 3 crosswalks:
  - West Street – North and South legs
  - Scott Street – South leg



# SIGNALIZED INTERSECTIONS

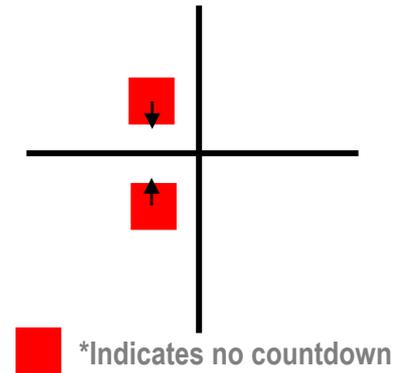
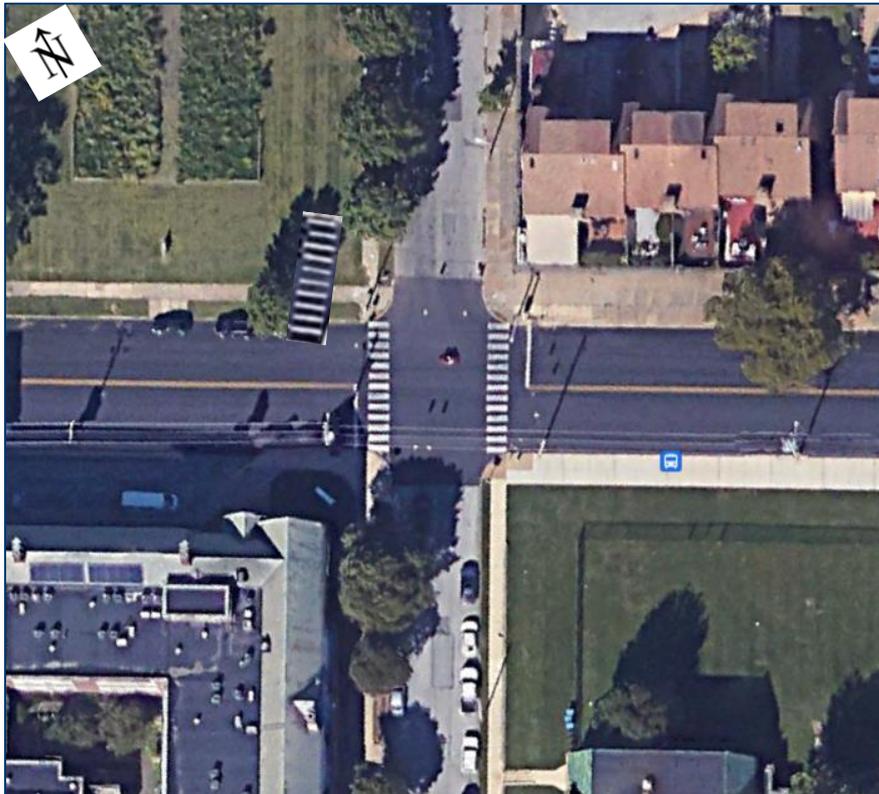
# 4<sup>th</sup> Street at Greenhill Avenue

- **One crash** involving an unknown vehicle striking a pedestrian crossing midblock between Ford Avenue and Greenhill Avenue
- Existing crosswalk on the south leg with ped heads with no countdowns
- No existing crosswalk on the north leg, however, there are curb ramps with domes
- No crosswalks on the east and west legs
- Observed pedestrians crossing the south leg against the signal



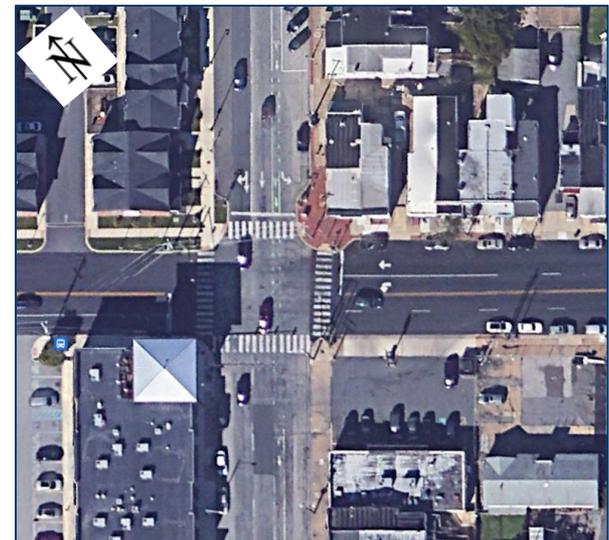
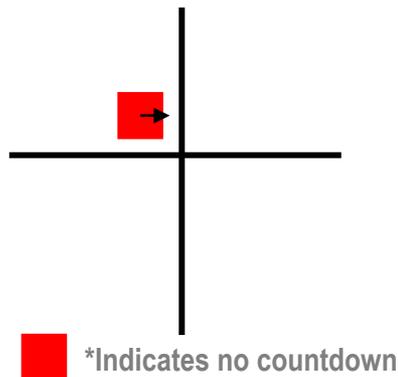
# 4<sup>th</sup> Street at Bayard Avenue

- Zero crashes
- Bayard Avenue is one-way northbound
- Existing east and west leg crosswalks are temporary striping that is faded
- There are two existing ped heads with no countdowns



## 6 Crashes

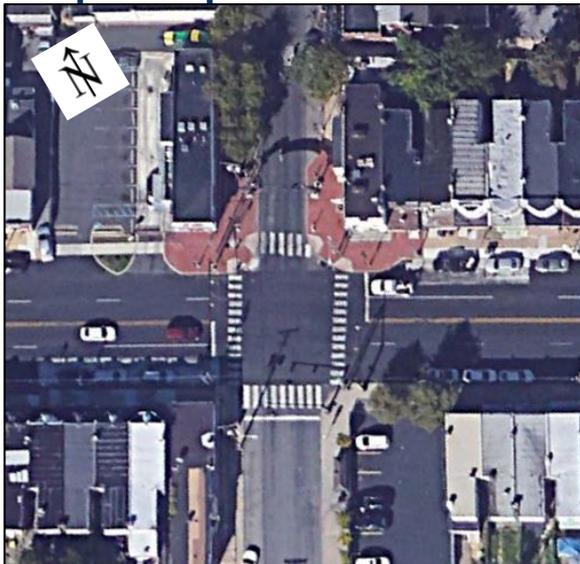
- 4 crashes involving left-turning vehicles striking pedestrians in the crosswalk (2 WB left turn, 2 SB left turn)
- 1 WBT hit construction worker due to lane closure
- 1 pedestrian in crosswalk hit by unknown machinery
- Union Street is one-way southbound
- There is one existing ped head with no countdown
- Observed pedestrians crossing against the signal on the west leg



## 7 crashes

- 2 crashes involving EB thru vehicles striking pedestrians crossing midblock between Union Street and Lincoln Street
- 2 crashes involving EB left turn vehicles striking pedestrians in the crosswalk (1 was crossing against the signal, 1 was unknown)
- 1 crash involving a WB thru vehicle striking a pedestrian walking SB not in the crosswalk
- 1 crash involving a NB thru vehicle striking a pedestrian in the crosswalk
- 1 crash involving an unknown vehicle striking an unknown pedestrian

- Lincoln Street is one-way northbound
- Intersection was under construction during field observations
  - Unable to determine which ped heads have countdowns
- Crosswalks were present on all four legs of the intersection
  - Northbound crosswalk has bumpouts
- Observed utility poles blocking south leg eastbound ped



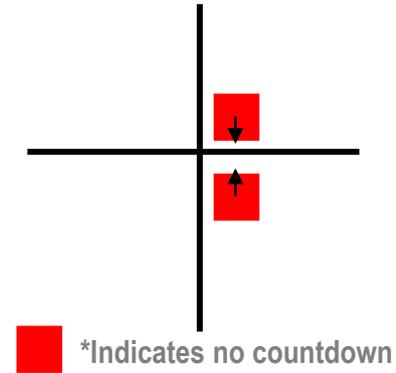
*Fourth Street: Ogle Avenue to Christina River*

## 4 crashes

- 1 crash involving a SB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving an EB vehicle striking a pedestrian in the crosswalk crossing against the signal
- 1 crash involving a NB vehicle striking a bicyclist utilizing the crosswalk against the signal
- 1 crash involving a WB vehicle striking a pedestrian that darted into the road not in a crosswalk

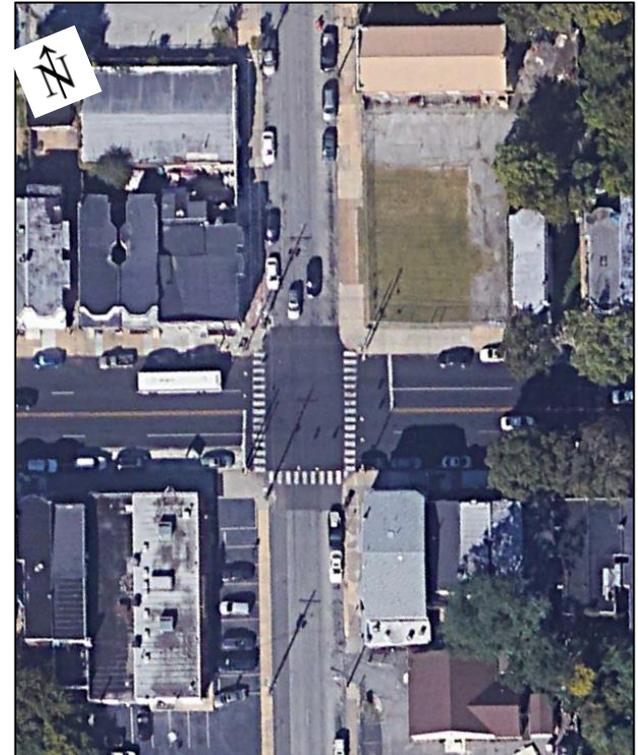


- There are two existing ped heads that do not have countdowns
- On the north and south legs there are crosswalks but no pedestrian signals
- On the southeast corner is a liquor store with pedestrian activity



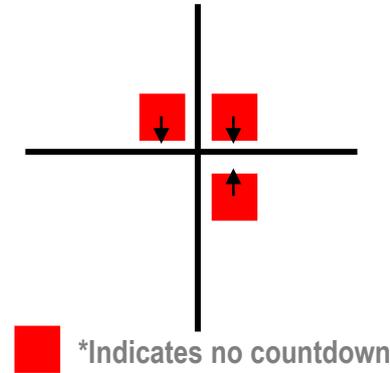
## 5 crashes

- 2 crashes involving an SB vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving EB thru vehicles striking a pedestrian crossing midblock between Scott Street and Dupont Street
- 1 crashes involving a WB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving a SB vehicle striking a bicyclist utilizing the crosswalk against the signal



# 4<sup>th</sup> Street at Dupont Street

- Dupont Street is one-way southbound
- There are three existing ped heads that do not have countdowns
- On the north and south legs there are crosswalks but no pedestrian signals



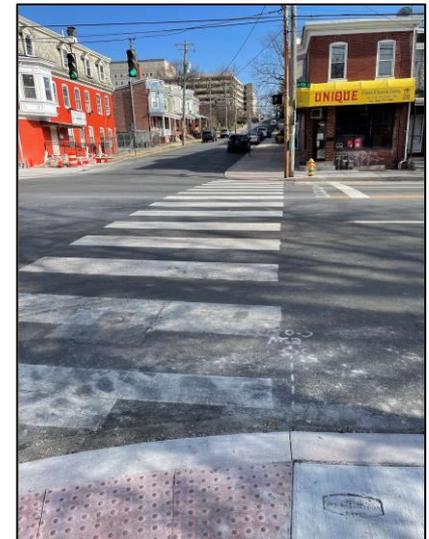
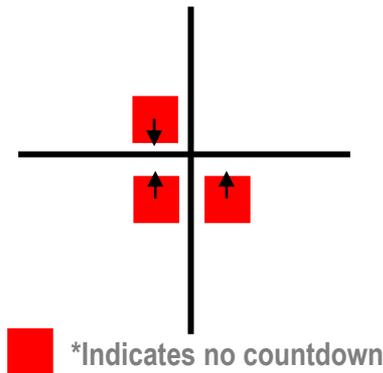
## 4 crashes

- 1 crash involving a vehicle striking a pedestrian in the roadway midblock between Dupont Street and Clayton Street
- 1 crash involving a vehicle reversing into a pedestrian in a crosswalk
- 1 crash involving an EB left turn vehicle striking a pedestrian that was adjacent to crosswalk as it was flooded
- 1 crash involving a NB vehicle turning right on red and striking a pedestrian in the crosswalk



# 4<sup>th</sup> Street at Clayton Street

- Clayton Street is one-way northbound
- There are three existing ped heads that do not have countdowns
- There are no marked crosswalks or pedestrian signals on the north and south legs
- There were observed pedestrians crossing on the south leg
- There was an observed pedestrian crossing northbound on the west leg against the signal

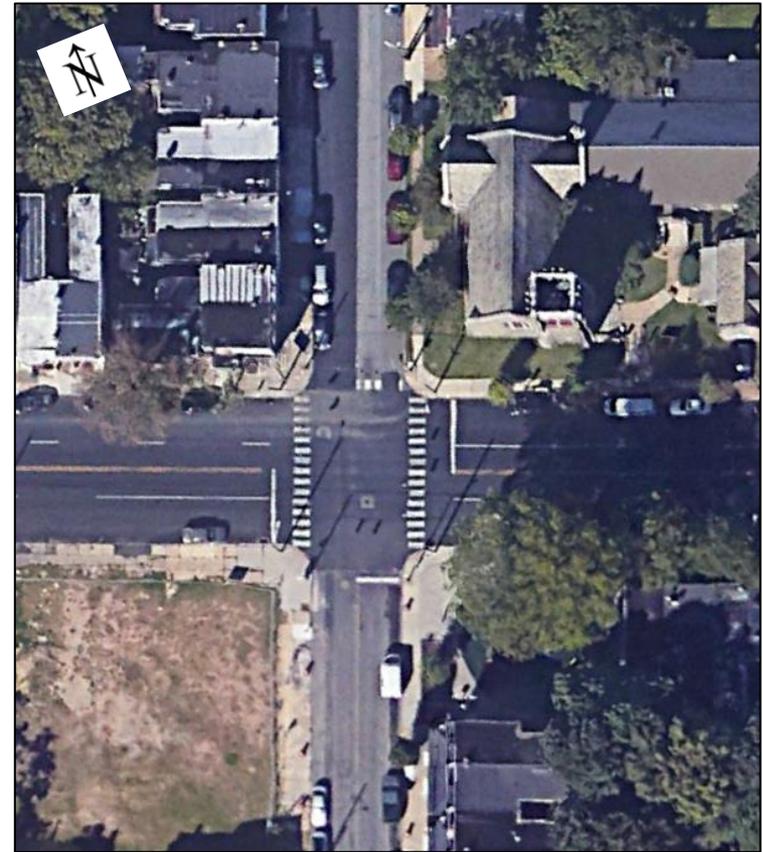
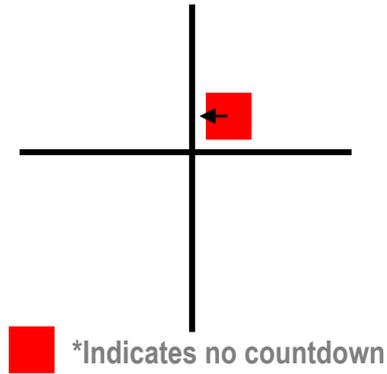


## 7 crashes

- 2 crashes involving vehicles striking pedestrians crossing improperly not in crosswalks (1 WB thru, 1 NB left turn)
  - 1 crash involving a vehicle striking a pedestrian in the roadway midblock between Delamore Place and Rodney Street
  - 1 crash involving an EB vehicle striking a pedestrian in the crosswalk with unknown signal status
  - 1 crash involving an SB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving an EB vehicle striking a pedestrian in an unknown location
  - 1 crash involving an EB vehicle with a green light stopping to allow pedestrians to cross, so a vehicle passed the stopped vehicle and struck the pedestrian (FATAL)
    - Saturday September 14, 2013, at 4:24 PM

# 4<sup>th</sup> Street at Rodney Street

- There is one existing ped head that does not have countdowns

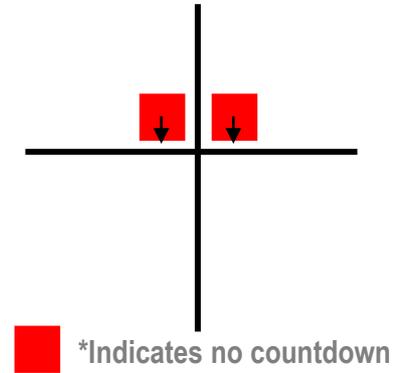


## 5 crashes

- 3 crashes involving vehicles striking pedestrians standing next to parked vehicles between Rodney Street and Broom Street
- 1 crash involving a SB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving a SB vehicle hitting a pedestrian not in the crosswalk



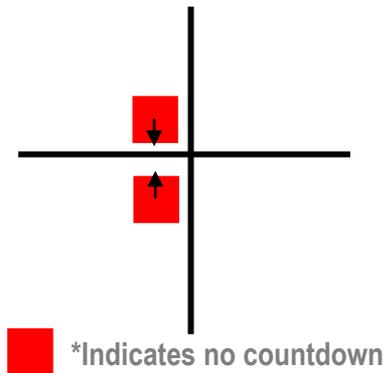
- Broom Street is one-way southbound
- There are two existing ped heads that do not have countdowns
- On the north and south legs there are crosswalks but no pedestrian signals



## 12 crashes

- 4 crashes involving improper pedestrian crossings
  - 1 involving an intoxicated pedestrian
  - 1 involving NB right turn vehicle hitting pedestrian crossing diagonally (FATAL)
    - Friday April 25, 2008, at 1:31 AM
  - 1 involving a child running into the street
  - 1 involving a WB vehicle hitting a pedestrian that kept changing directions
- 2 crashes involving DUI vehicles striking pedestrians
- 2 crashes involving NB left turn vehicles striking pedestrians in the crosswalk (1 had unknown ped signal)
- 2 crashes involving NB vehicles striking pedestrians in the crosswalk with unknown ped signal
- 1 crash involving a vehicle striking a pedestrian in the roadway midblock between Connell Street and Franklin Street
- 1 crash involving a vehicle making a u-turn to purposefully strike a pedestrian on the sidewalk

- Franklin Street is one-way northbound
- There are two existing ped heads that do not have countdowns
- On the north and south legs there are crosswalks but no pedestrian signals
- There was an observed pedestrian crossing midblock between Connell Street and Franklin Street

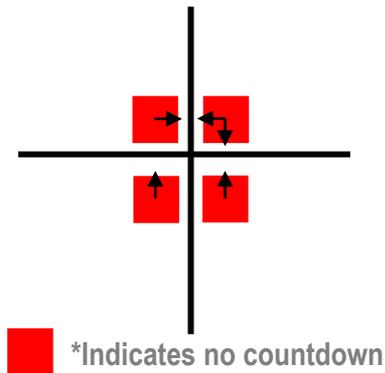


## 11 crashes

- 5 crashes involving improper pedestrian crossings
  - 3 involving pedestrians not using the crosswalks and crossing diagonally
  - 1 involving a child running into the street
  - 1 WB thru hit pedestrian in crosswalk against the signal
- 2 crashes involving bicyclists on roadway running red traffic lights causing collisions with vehicles
- 2 crashes involving SB left turn vehicles striking pedestrians in the crosswalk (1 had unknown ped signal)
- 1 crash involving a vehicle striking a pedestrian in the roadway midblock between Franklin Street and Harrison Street
- 1 crash involving an EB vehicle made u-turn midblock between Franklin Street and Harrison Street striking a skateboarder in the adjacent lane

# 4<sup>th</sup> Street at Harrison Street

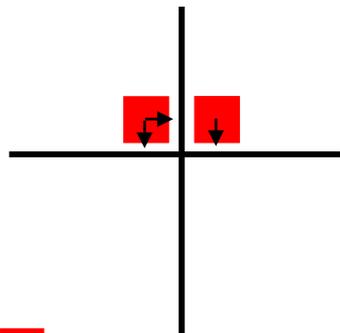
- Harrison Street is one-way southbound
- All crosswalks have bumpouts
- There are five existing ped heads that do not have countdowns
- On the northwest corner is a grocery store with pedestrian activity
- There was an observed pedestrian crossing the west leg against the signal



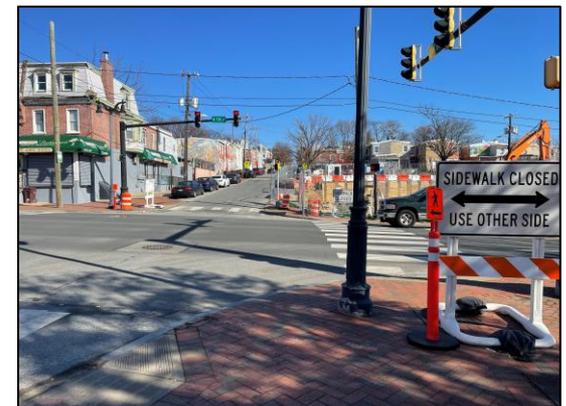
## 9 crashes

- 3 crashes involving vehicles striking pedestrians crossings midblock between Harrison Street and Van Buren Street
- 2 crashes involving EB vehicles striking pedestrians in the crosswalk (1 against the signal, 1 had unknown signal)
- 1 crash involving a WB vehicle turning right on red and striking a pedestrian in the crosswalk
- 1 crash involving a NB vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving a WB vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving a WB vehicle striking an intoxicated pedestrian not in the crosswalk

- Van Buren Street is one-way northbound
- There are three existing ped heads that do not have countdowns
- During observations, the northeast corner was under construction
- There was an observed pedestrian crossing midblock between Harrison Street and Van Buren Street



\*Indicates no countdown

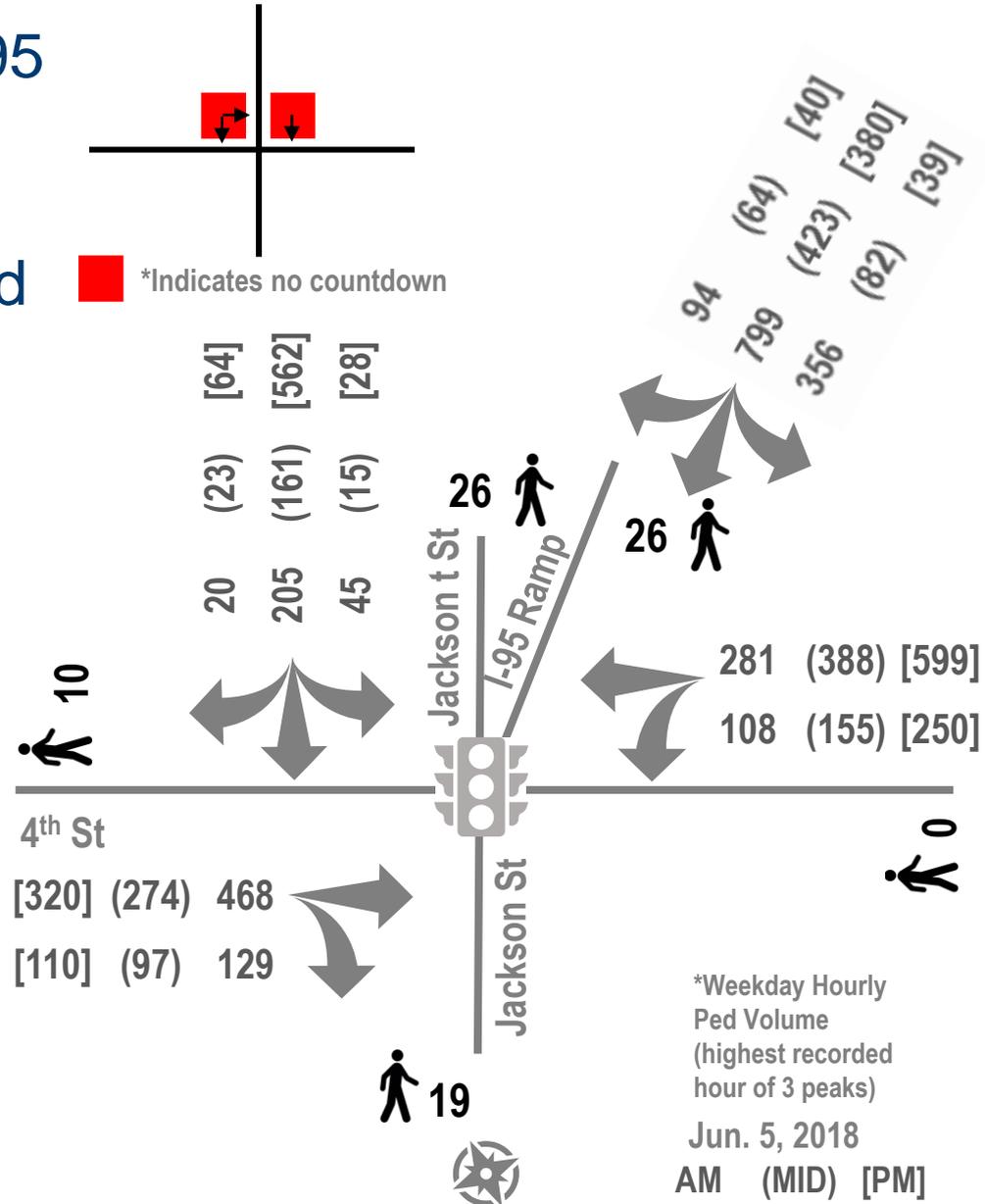


## 13 crashes

- 5 crashes involving WB left turn vehicles striking pedestrians in the crosswalk (2 crossing against the signal, 2 unknown signals)
- 3 crashes involving vehicles striking pedestrians crossings midblock between Van Buren Street and Jackson Street
- 2 crashes involving SB vehicles striking pedestrians in the crosswalk with an unknown signal
- 1 crash involving an EB bicyclist that swerved to avoid a car and struck a pedestrian
- 1 crash involving an unknown vehicles striking a pedestrian in the crosswalk
- 1 crash involving a SB left turn vehicle striking a construction worker in the roadway

# 4<sup>th</sup> Street at Jackson Street

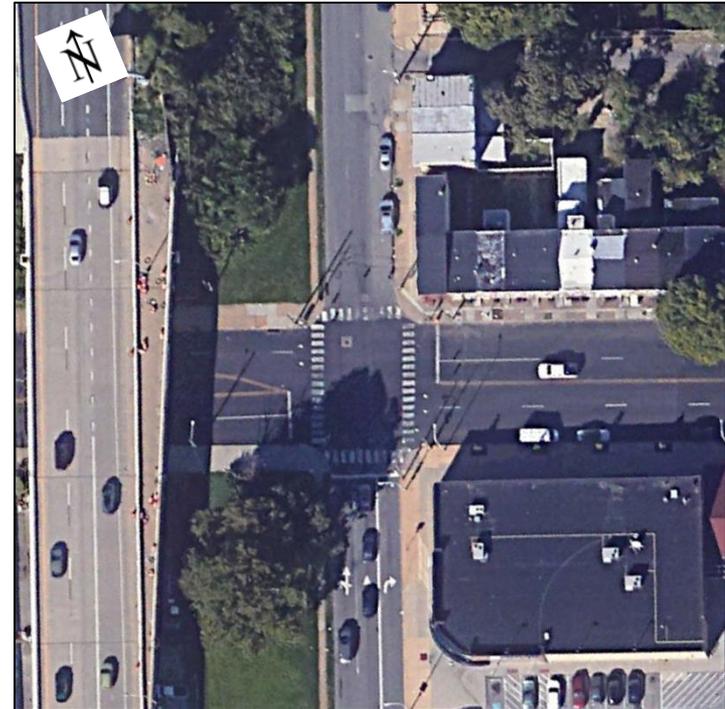
- Jackson Street and the I-95 ramp are one-way southbound
- There are four existing ped heads that do not have countdowns
- During observations, the north leg was under construction



Fourth Street: Ogle Avenue to Christina River

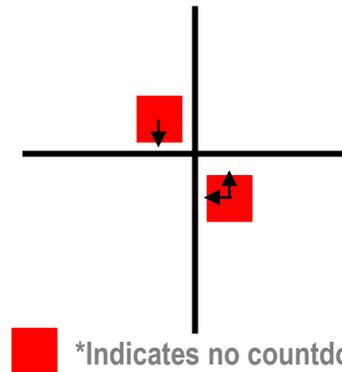
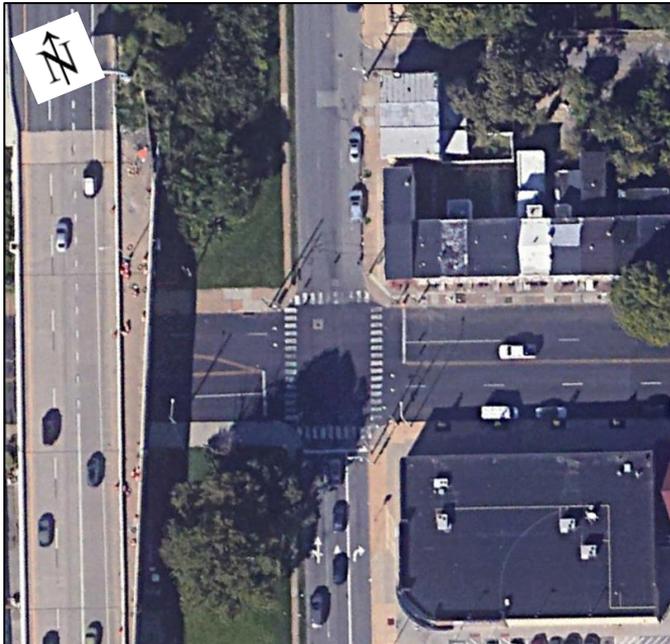
## 4 crashes

- 2 crashes involving NB vehicles running the red light and striking pedestrians in the crosswalk
- 1 crash involving an EB left turn vehicle striking a pedestrian not in the crosswalk
- 1 crash involving a WB right turn vehicle striking a pedestrian in the crosswalk with unknown signal



# 4<sup>th</sup> Street at Adams Street

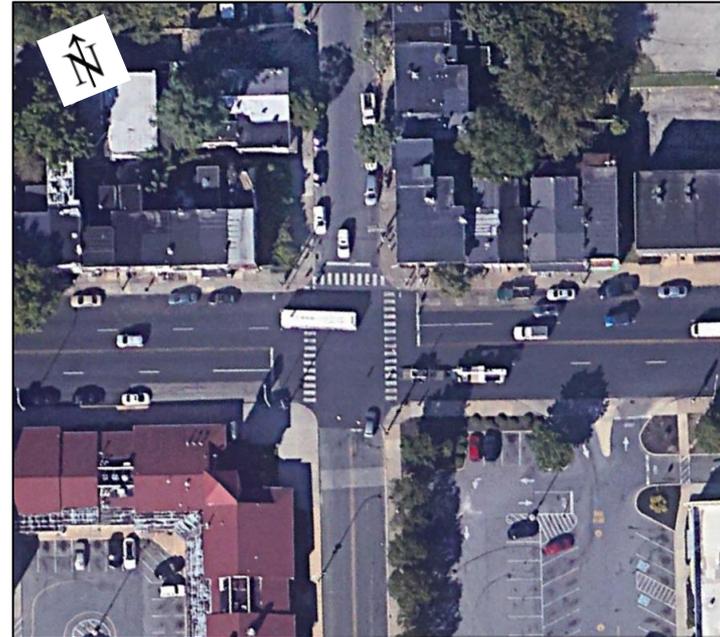
- Adams Street is one-way northbound
- NB Adams Street has posted No Turn on Red sign
- There are four existing ped heads that do not have countdowns



## 16 crashes

- 3 crashes involving a SB vehicles striking pedestrians in the crosswalk with unknown signal
- 2 crashes involving left-turning vehicles striking pedestrians in the crosswalk (1 NB left turn, 1 SB left turn)
- 2 crashes involving vehicles turning right on red striking pedestrians in the crosswalk (1 NB right turn, 1 SB right turn)
- 2 crashes involving vehicles striking pedestrians crossing midblock between Adams Street and Monroe Street
- 2 crashes involving improper pedestrian crossings not in the crosswalk
- 2 crashes involving vehicles striking intoxicated pedestrians not in the crosswalk
- 2 crashes involving vehicle collisions that caused objects to strike pedestrians on the sidewalk
- 1 crash involving a vehicle striking a bicyclist in the roadway that ran the red light

- The north leg of Monroe Street is one-way southbound
- On the northeast corner is a liquor store with pedestrian activity
- On the southwest corner and on north side of 4<sup>th</sup> St west of the intersection there are bus stops with pedestrian activity
- Observed a significant number of pedestrians crossing on the east leg against the pedestrian signal



- On the north and south legs there are crosswalks but no pedestrian signals
- All existing ped heads have countdowns

## 9 crashes

- 4 crashes involving vehicles striking intoxicated pedestrians not in the crosswalk
- 1 crash involving a WB vehicle striking a pedestrian in the crosswalk walking against the signal
- 1 crash involving EB left turn vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving EB vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving a vehicle striking a pedestrian crossing midblock between Monroe Street and Madison Street
- 1 crash involving a parked vehicle rolling backwards and striking a pedestrian

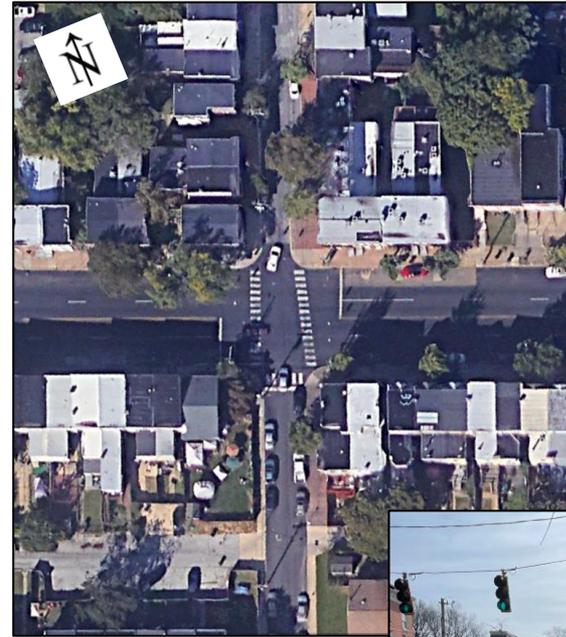
# 4<sup>th</sup> Street at Madison Street

- Madison Street is one-way northbound
- NB Madison Street has posted No Turn on Red sign
- On the northeast corner is a restaurant with pedestrian activity
- On the southwest corner and on north side of 4<sup>th</sup> Street, west of the intersection, there are bus stops with pedestrian activity
- On the north and south legs there are crosswalks but no pedestrian signals
- All existing ped heads have countdowns



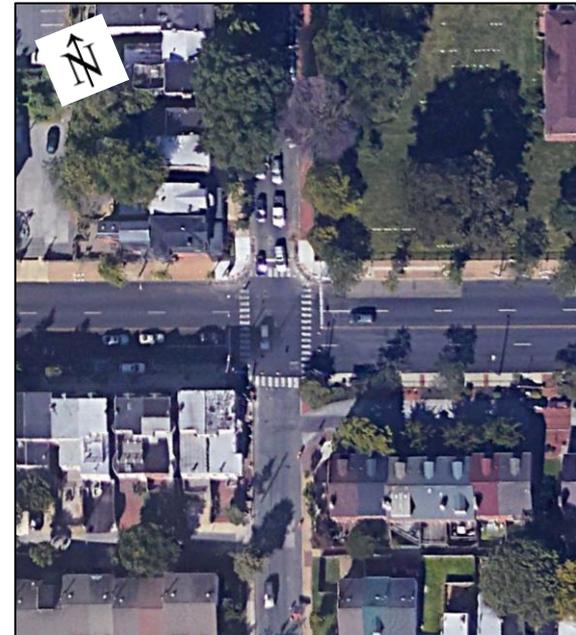
# 4<sup>th</sup> Street at Jefferson Street

- **Zero crashes**
- Jefferson Street is one-way northbound
- On the south leg there is a crosswalk but no pedestrian signals
- The north leg does not have a marked crosswalk
- All existing ped heads do not have countdowns



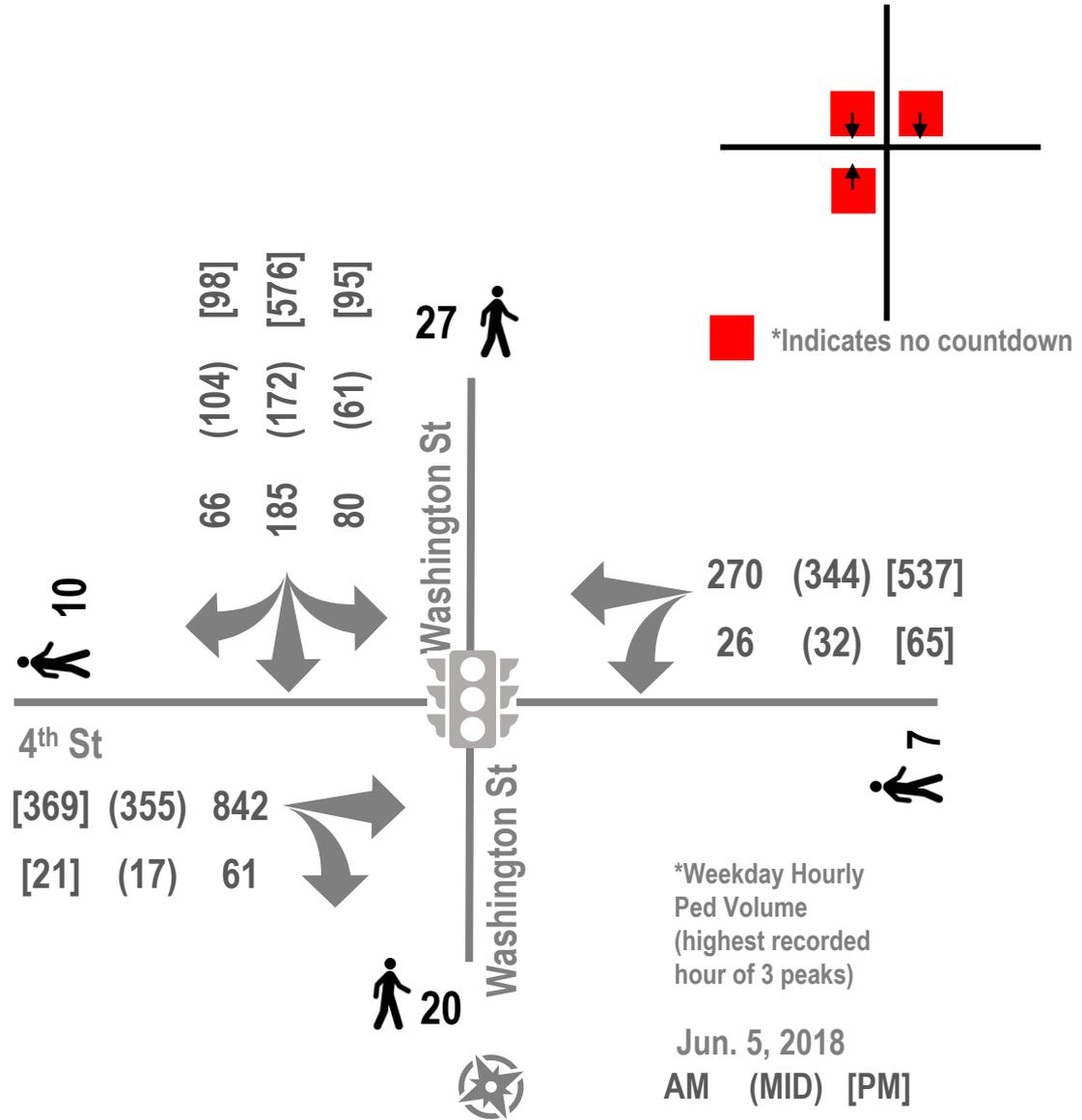
## 6 crashes

- 2 crashes involving left-turning vehicles striking pedestrians in the crosswalk with unknown signals (1 WB left turn, 1 SB left turn)
- 1 crash involving a SB vehicle striking a pedestrian in the crosswalk with unknown signals
- 1 crash involving a SB left turn vehicles striking a pedestrian not in the crosswalk
- 1 crash involving a vehicle turning right on red striking a pedestrian in the crosswalk
- 1 crash involving a vehicle's trailer striking a pedestrian crossing midblock between Jefferson Street and Washington Street



# 4<sup>th</sup> Street at Washington Street

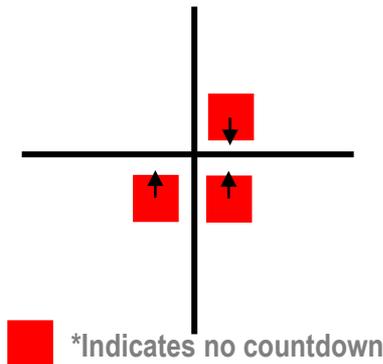
- Washington Street is one-way southbound
- On the north and south legs there are crosswalks but no pedestrian signals
- There are three existing ped heads that do not have countdowns
- On the southeast corner is a bus shelter with pedestrian activity



## 3 Crashes

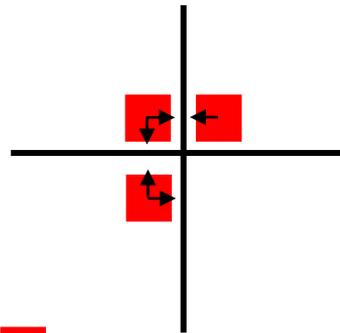
- 1 crash involving EB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving an EB vehicle striking a pedestrian in the crosswalk against the signal
- 1 crash involving a vehicle striking a pedestrian crossing midblock between Washington Street and West Street

- West Street is one-way northbound
- There are three existing ped heads that do not have countdowns
- On the north and south legs there are crosswalks but no pedestrian signals
- During observations, the north leg was under construction



# 4<sup>th</sup> Street at Orange Street

- Zero crashes
- Orange Street is one-way northbound
- There are five existing ped heads that do not have countdowns
- Observed countdowns starting early

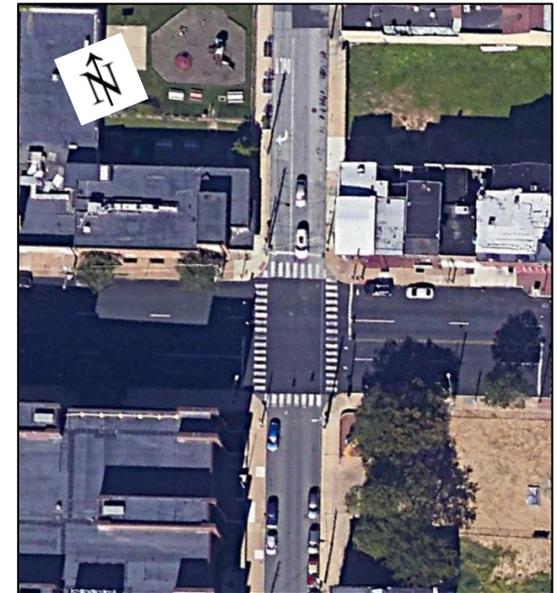
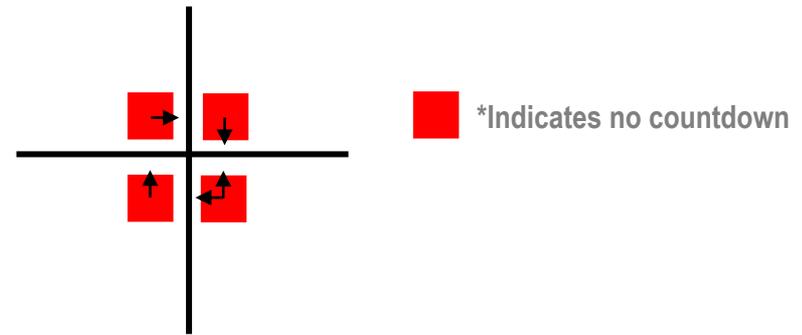


 \*Indicates no countdown

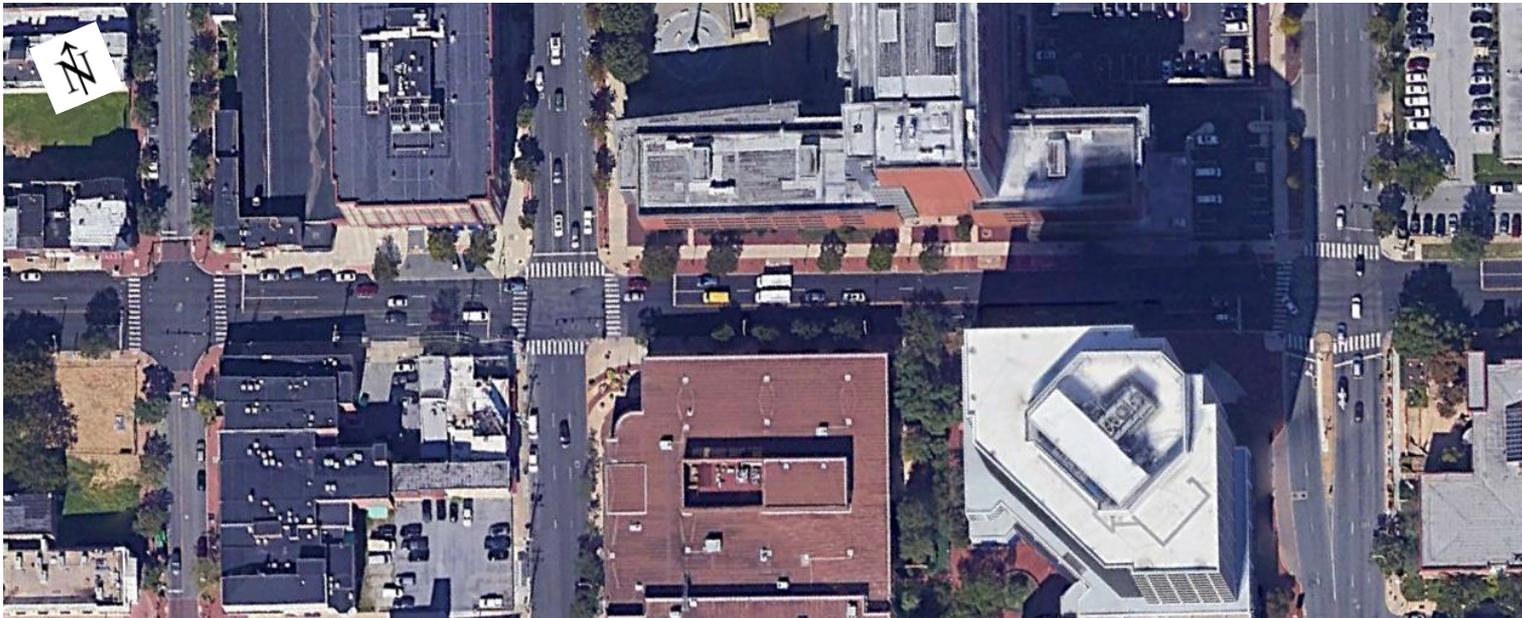
## 4 Crashes

- 1 crash involving SB left turn vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving an WB vehicle striking a pedestrian parked in the right travel lane with the door open
- 1 crash involving a vehicle reversing into a pedestrian in the parking lane between Orange Street and Shipley Street
- 1 crash involving a vehicle striking a pedestrian unloading a truck midblock between Shipley Street and Market Street

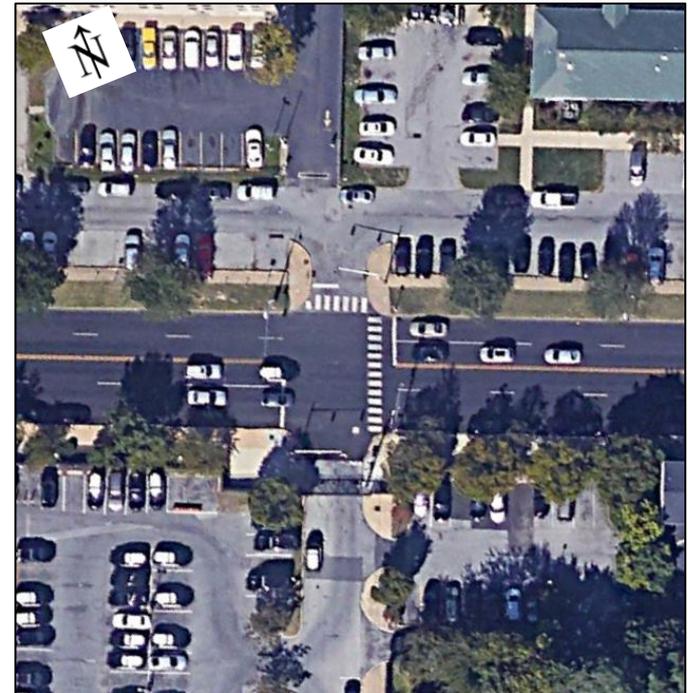
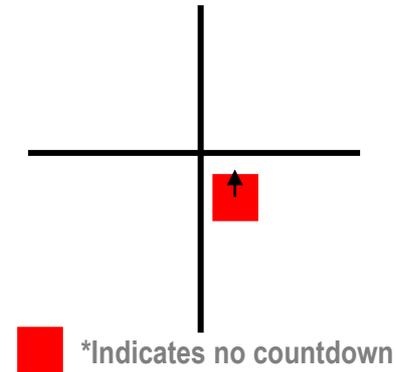
- Shipley Street is one-way southbound
- There are five existing ped heads that do not have countdowns



*The 4<sup>th</sup> Street signalized intersections of Market Street, King Street, and Walnut Street are covered in separate pedestrian studies*



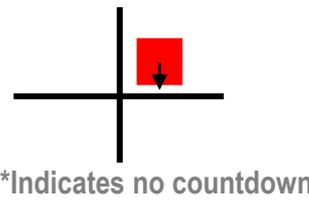
- **Zero crashes**
- The southern leg of the intersection is an exit only gated parking lot
- The east leg pedestrian crossing is push-button activated
- On the north leg there is a crosswalk but no pedestrian signals
- There is one existing ped head that does not have countdowns



## 8 crashes

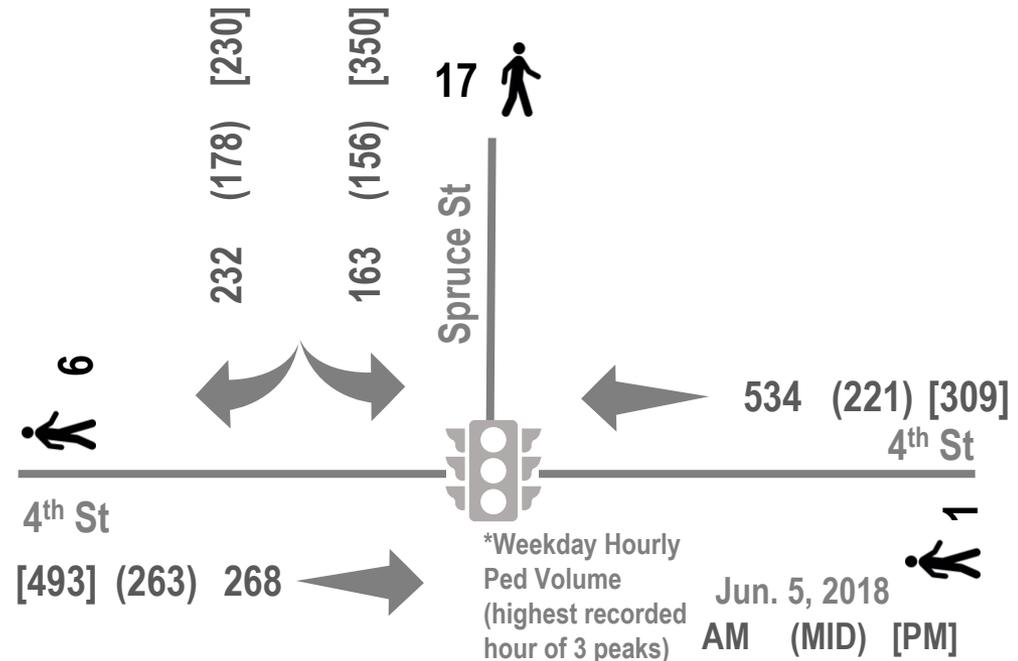
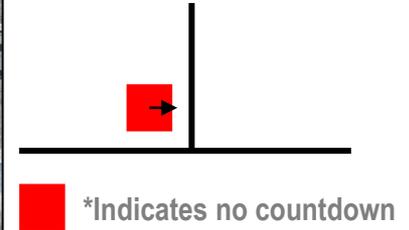
- 2 crashes involving WB vehicles striking pedestrians
  - 1 involving a child that ran into the crosswalk
  - 1 involving a pedestrian standing on the double yellow lines
- 1 crash involving WB left turn vehicle striking pedestrian in the crosswalk with unknown signal
- 1 crash involving an EB vehicle striking a pedestrian in the crosswalk
- 4 crashes involving vehicles striking pedestrians crossing midblock between Poplar Street and Lombard Street
  - 3 crashes involving intoxicated pedestrians
  - 1 crash with unknown circumstances

- Lombard Street is one-way southbound
- There is one existing ped head that does not have countdowns
- On the south leg there is a crosswalk but no pedestrian signals



# 4<sup>th</sup> Street at Spruce Street

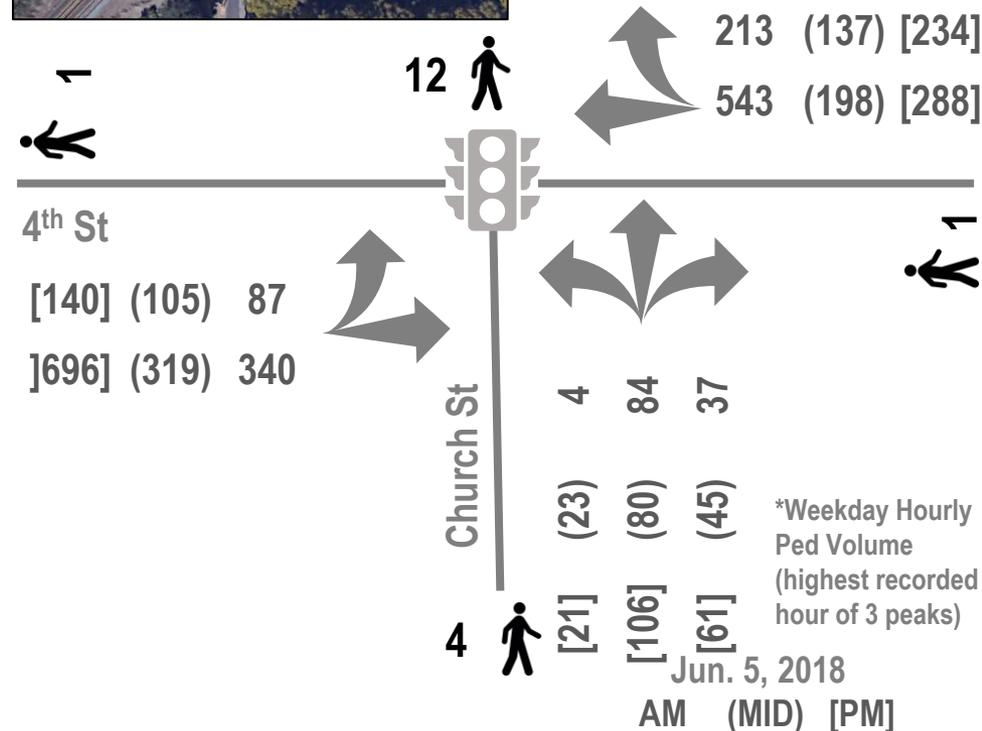
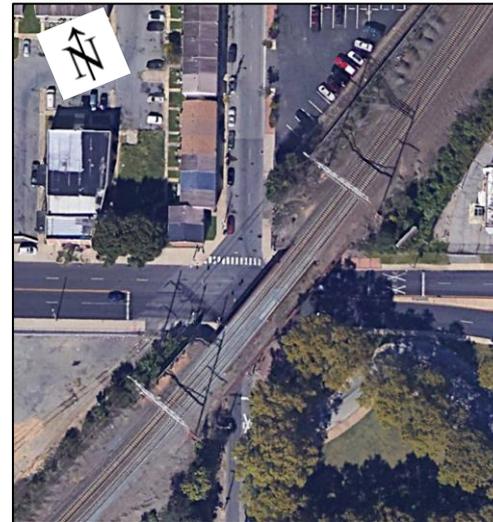
- Zero crashes
- Spruce Street is one-way southbound
- There is one existing ped head that does not have countdowns
- The north leg crosswalk has been partially paved over and is faded
- There are no curb ramps or pedestrian domes for the crosswalk



Fourth Street: Ogle Avenue to Christina River

# 4<sup>th</sup> Street at Church Street

- **Zero crashes**
- Church Street is one-way northbound
- Signal is currently under construction to install new mast arm poles and crosswalks on the north and south legs
  - Observed the pedestrian pole facing north for the east leg to be off
- Observed the pedestrian pole facing south for the east leg as slanted and duct taped



# UNSIGNALIZED INTERSECTIONS

# 4<sup>th</sup> Street at Ogle Avenue

- Zero crashes
- All-way stop-controlled intersection
- No marked crosswalks
- Stop signs are under-sized and do not have “ALL WAY” plaques

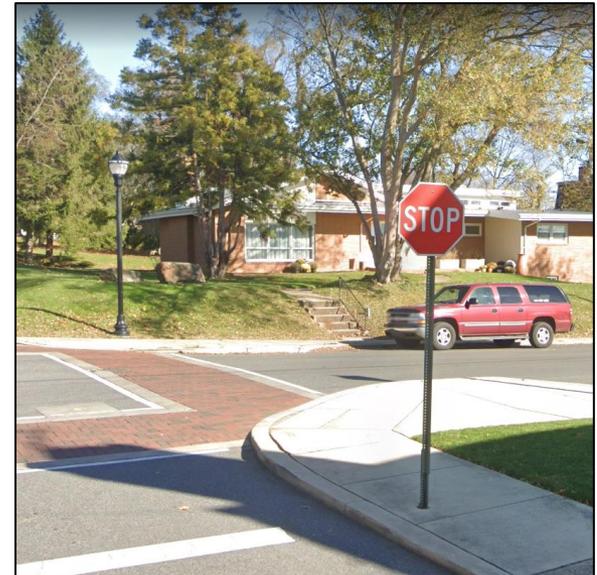
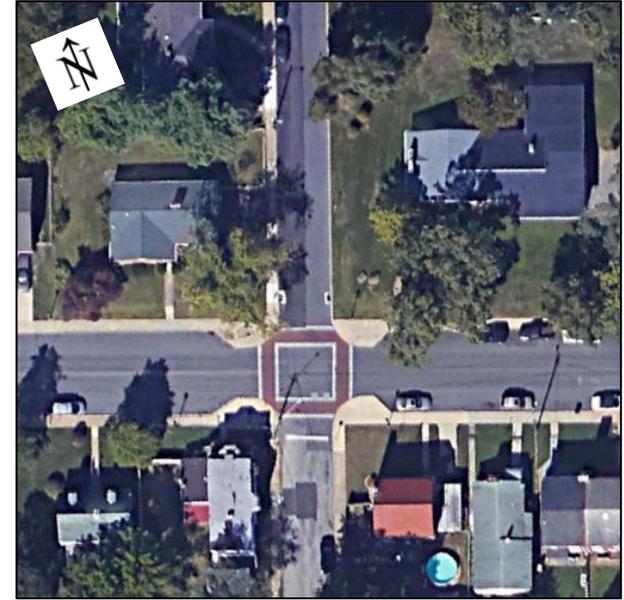


- **Zero crashes**
- All-way stop-controlled intersection
- Cleveland Avenue is one-way southbound
- Existing decorative brick crosswalks on all for four legs
- Stop signs are under-sized and do not have “ALL WAY” plaques



# 4<sup>th</sup> Street at Gray Avenue

- Zero crashes
- Northbound is stop-controlled
- Gray Avenue is one-way northbound
- Existing decorative brick crosswalks on all for four legs
- Stop sign is under-sized



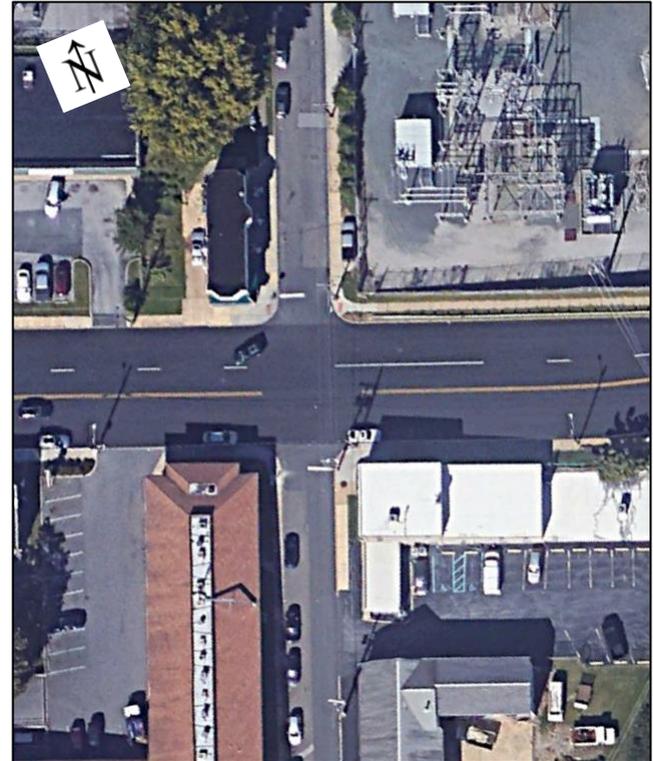
- Zero crashes
- Southbound is stop-controlled
- Ford Avenue is one-way southbound
- Existing decorative brick crosswalks on all for four legs



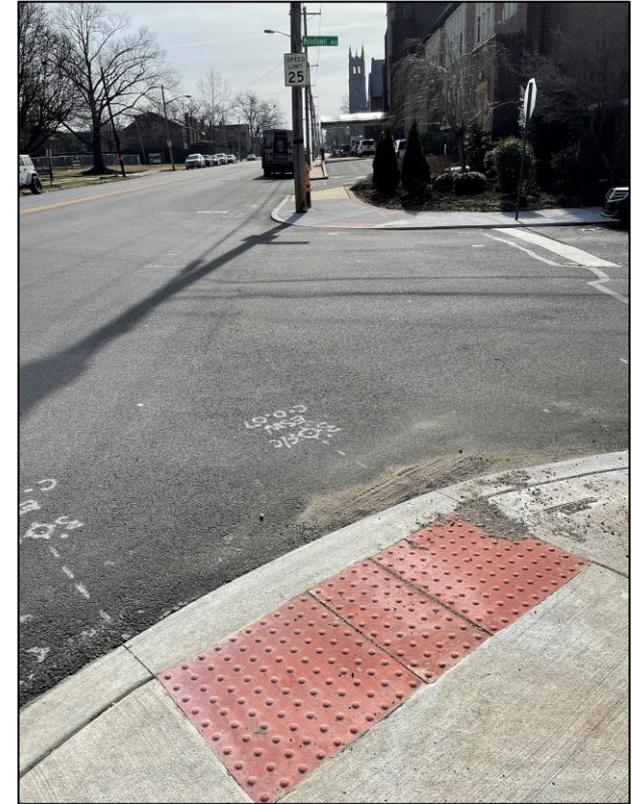
- **Zero crashes**
- Northbound is stop-controlled
- Webb Street is one-way northbound
- Marked crosswalks are present on the north and south legs



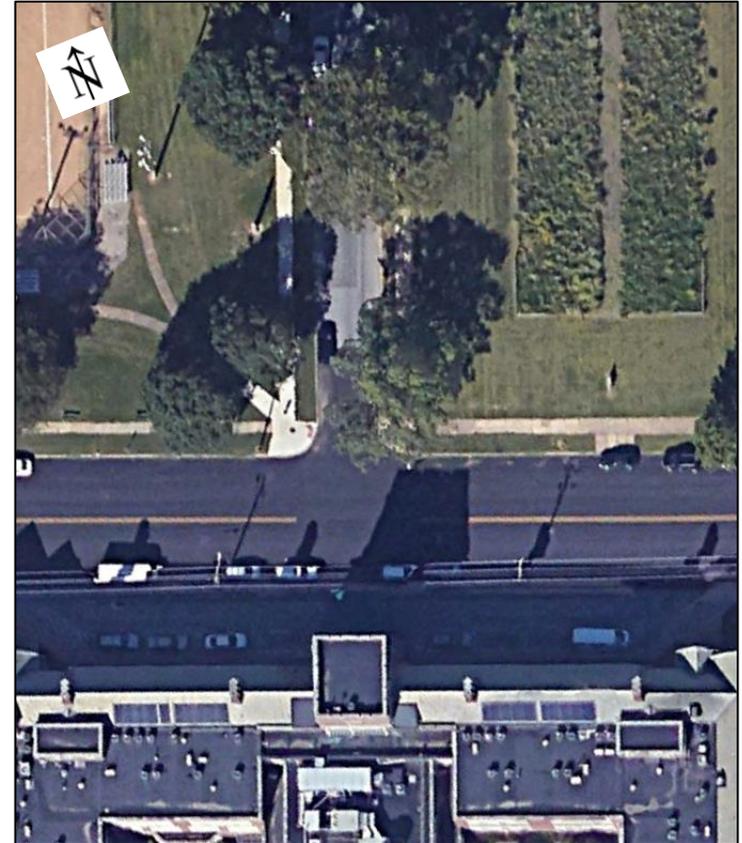
- **Zero crashes**
- Northbound and southbound are stop-controlled
- Marked crosswalks are present on the north and south legs



- Zero crashes
- Northbound is stop-controlled
- There are no marked crosswalks at the intersection
- There are curb ramps and domes on the south leg of the intersection

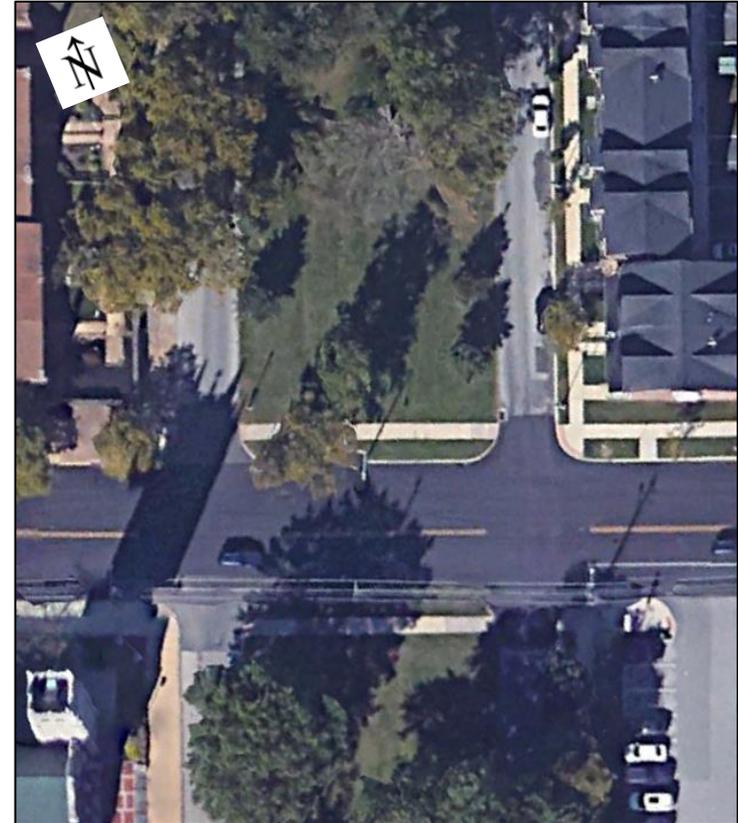


- **Zero crashes**
- Ferris Street is one-way northbound
- Marked crosswalk is present on the north leg



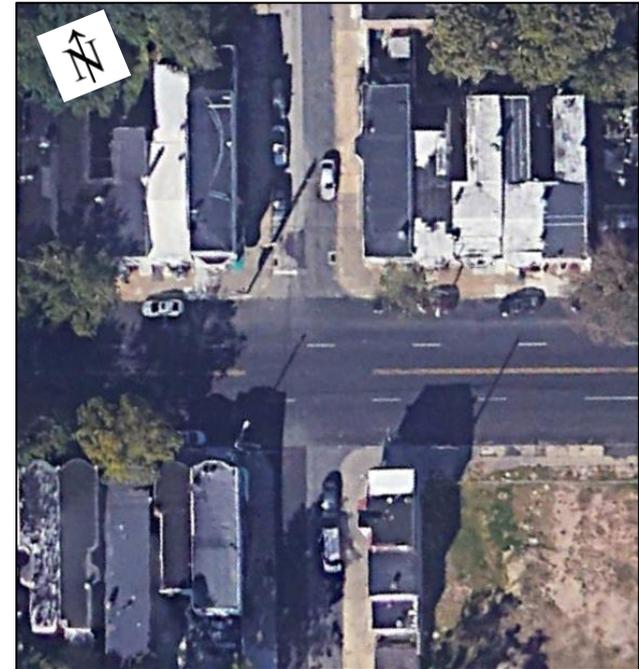
## 2 Crashes

- 1 crash involving a WB thru vehicle striking a pedestrian that was crossing in front of a stopped school bus
- 1 crash involving an EB thru vehicle passing a stopped vehicle striking a pedestrian that was crossing in front of the stopped vehicle
- Northbound and southbound are stop-controlled
- At the west intersection Bancroft Parkway is one-way southbound and at the east intersection Bancroft Parkway is one-way northbound
- Marked crosswalks are present on the north and south legs of the intersections



## 10 Crashes

- 2 crashes involving a WB vehicles striking pedestrians crossing midblock between Clayton Street and Delamore Place
- 2 crashes involving vehicles striking pedestrians not in the crosswalk
  - 1 involved an intoxicated pedestrian
- 1 crash involving a WB left turn vehicle striking a pedestrian in the crosswalk
- 1 crash involving a WB vehicle striking a pedestrian in the crosswalk with unknown signal
- 1 crash involving an EB vehicle striking a pedestrian standing on the corner of the sidewalk
- 1 crash involving a pedacyclist on a scooter not stopping at the stop sign and striking a WB vehicle
- 1 crash involving a vehicle improperly backing into a pedestrian in the crosswalk
- 1 crash involving a vehicle collision that caused objects to strike pedestrians on the sidewalk



- Delamore Place is one-way southbound
- Southbound is stop-controlled
- Marked crosswalks are present on the north and south legs of the intersection

## 4 Crashes

- 3 crashes involving improper ped crossings
  - 1 involving an intoxicated pedestrian
  - 1 involving a child being accompanied by an intoxicated pedestrian
- 1 crash involving a vehicle striking a pedestrian standing next to parked vehicle
- Connell Street is one-way southbound
- Marked crosswalks are present on the north and south legs of the intersection
- On the southeast corner is a market with pedestrian activity

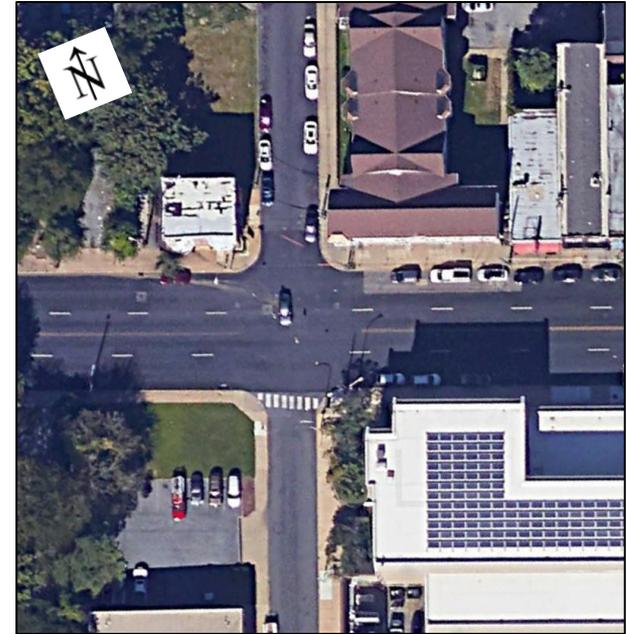


## 3 Crashes

- 2 crashes involving improper ped crossings
  - 1 involving a child running into the road
- 1 crash involving a verbal altercation which led to a vehicle purposefully striking a pedestrian
- Montgomery Street is one-way southbound
- Marked crosswalk is present on the south leg of the intersection



- **One crash** involving a vehicle improperly backing into a pedestrian crossing midblock between Tatnall Street and Orange Street
- Southbound is stop-controlled
- Tatnall Street is one-way southbound
- Marked crosswalks are present on the north and south legs of the intersection
- There are aerial warning flashers



- **One crash** involving NB right turn vehicle striking pedestrian walking SB not in a crosswalk
- Northbound is stop-controlled
- Pine Street is one-way northbound
- Marked crosswalks are present on the north and south legs of the intersection
- Observed pedestrians crossing midblock between Pine Street and Spruce Street



# POTENTIAL RECOMMENDATIONS AND NEXT STEPS

- Refresh faded crosswalks
  - 4<sup>th</sup> Street at Bayard Avenue east and west legs
  - 4<sup>th</sup> Street at Spruce Street north leg
- Install missing pedestrian signals
  - 4<sup>th</sup> Street at Bayard Avenue east leg
  - 4<sup>th</sup> Street at Scott Street north and south legs
  - 4<sup>th</sup> Street at Dupont Street north and south legs
  - 4<sup>th</sup> Street at Broom Street north and south legs
  - 4<sup>th</sup> Street at Franklin Street north and south legs
  - 4<sup>th</sup> Street at Monroe Street north and south legs
  - 4<sup>th</sup> Street at Madison Street north and south legs
  - 4<sup>th</sup> Street at Jefferson Street north and south legs
  - 4<sup>th</sup> Street at Washington Street north and south legs
  - 4<sup>th</sup> Street at West Street north and south legs
  - 4<sup>th</sup> Street at Poplar Street north leg

- Upgrade existing pedestrian heads with no countdowns to include countdowns where missing
  - 4<sup>th</sup> Street at Greenhill Avenue (2)
  - 4<sup>th</sup> Street at Baynard Avenue (2)
  - 4<sup>th</sup> Street at Union Street (1)
  - 4<sup>th</sup> Street at Scott Street (2)
  - 4<sup>th</sup> Street at Dupont Street (3)
  - 4<sup>th</sup> Street at Clayton Street (3)
  - 4<sup>th</sup> Street at Rodney Street (1)
  - 4<sup>th</sup> Street at Broom Street (2)
  - 4<sup>th</sup> Street at Franklin Street (2)
  - 4<sup>th</sup> Street at Harrison Street (5)
  - 4<sup>th</sup> Street at VanBuren Street (3)
  - 4<sup>th</sup> Street at Jackson Street (3)
  - 4<sup>th</sup> Street at Adams Street (3)
  - 4<sup>th</sup> Street at Jefferson Street (4)
  - 4<sup>th</sup> Street at Washington Street (3)
  - 4<sup>th</sup> Street at West Street (3)
  - 4<sup>th</sup> Street at Orange Street (5)
  - 4<sup>th</sup> Street at Shipley Street (5)
  - 4<sup>th</sup> Street at Poplar Street (1)
  - 4<sup>th</sup> Street at Lombard Street (1)
  - 4<sup>th</sup> Street at Spruce Street (1)

- Repair broken and slanted pedestrian signal pole on the NE corner of 4<sup>th</sup> Street at Church Street
- Stripe crosswalks and install pedestrian signals on the north, east, and west legs of 4<sup>th</sup> Street at Greenhill Avenue where there are existing curb ramps and domes
- Adjust signal setting at 4<sup>th</sup> Street at Adams Street to prevent countdowns from starting early on the north and south legs of the intersection
- Consider lighting improvements at deficient locations

- Stripe crosswalks at unsignalized intersections
  - 4<sup>th</sup> Street at Woodlawn Avenue south leg
- Install TURNING VEHICLE YIELD TO PED signs (R10-15) at signalized intersections where RTOR / LTOR is permitted and/or where left turns are permissive
- Install ALL WAY plaques (R1-3P) below existing stop signs
  - 4<sup>th</sup> Street at Ogle Avenue
  - 4<sup>th</sup> Street at Cleveland Avenue
- Consider bumpouts along the corridor to reduce crosswalk lengths





**Thank you!**

**Questions  
& Answers**

---

